

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT7911601

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ABB POWER ELECTRONICS INC.	01/19/2023
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ABB SCHWEIZ AG
<b>Street Address:</b>	BRUGGERSTRASSE 66
<b>City:</b>	5400 BADEN
<b>State/Country:</b>	SWAZILAND
<b>PROPERTY NUMBERS Total: 124</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	11140315
Application Number:	11033195
Application Number:	11452557
Application Number:	11089597
Application Number:	11212550
Application Number:	11098715
Application Number:	11089780
Application Number:	11125666
Application Number:	11109510
Application Number:	11147730
Application Number:	11356701
Application Number:	11315545
Application Number:	11299573
Application Number:	11532432
Application Number:	11558004
Application Number:	11954604
Application Number:	11566536
Application Number:	12058437
Application Number:	12212626
Application Number:	12273542
Application Number:	12257363

Property Type	Number
Application Number:	12250610
Application Number:	12372659
Application Number:	12404180
Application Number:	12503706
Application Number:	12775796
Application Number:	12775882
Application Number:	12775915
Application Number:	13415391
Application Number:	10219713
Application Number:	10373418
Application Number:	10393166
Application Number:	10293835
Application Number:	10695593
Application Number:	10632256
Application Number:	10654217
Application Number:	10723844
Application Number:	10801778
Application Number:	10801728
Application Number:	10801788
Application Number:	10783073
Application Number:	11559928
Application Number:	10853456
Application Number:	14196779
Application Number:	13784833
Application Number:	13785154
Application Number:	14197529
Application Number:	14206743
Application Number:	14189154
Application Number:	13787733
Application Number:	14206560
Application Number:	13839778
Application Number:	13836841
Application Number:	13785334
Application Number:	13461172
Application Number:	13461348
Application Number:	13460669
Application Number:	13036233
Application Number:	13313366

Property Type	Number
Application Number:	13086031
Application Number:	13461303
Application Number:	13474578
Application Number:	13649743
Application Number:	13358829
Application Number:	13170559
Application Number:	13170614
Application Number:	13836313
Application Number:	13491673
Application Number:	13404760
Application Number:	13366598
Application Number:	13650988
Application Number:	15231392
Application Number:	13654253
Application Number:	13726585
Application Number:	13562943
Application Number:	13343216
Application Number:	14061250
Application Number:	14102126
Application Number:	14195594
Application Number:	14196284
Application Number:	13839519
Application Number:	14218093
Application Number:	14306061
Application Number:	14552525
Application Number:	14535348
Application Number:	14514824
Application Number:	14252304
Application Number:	14509751
Application Number:	14643765
Application Number:	14612956
Application Number:	14598332
Application Number:	14615069
Application Number:	14557061
Application Number:	14856111
Application Number:	15729759
Application Number:	16512351
Application Number:	15188681

Property Type	Number
Application Number:	16186583
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Application Number:	15657786
Application Number:	15782454
Application Number:	15786783
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Application Number:	16260043
Application Number:	15705827
Application Number:	15888847
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Application Number:	15946151
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Application Number:	16806058
Application Number:	17087822
Application Number:	16428879
Application Number:	17087795
Application Number:	16447456
Application Number:	17081071
Application Number:	16553585
Application Number:	16528510
Application Number:	16528505
Application Number:	17209591
Application Number:	16701098
Application Number:	17031963

#### **CORRESPONDENCE DATA**

**Fax Number:** (312)419-9440

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

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<b>ATTORNEY DOCKET NUMBER:</b>	30100-10165810P 1447207
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<b>NAME OF SUBMITTER:</b>	DANIEL M. GURFINKEL
<b>SIGNATURE:</b>	/daniel m. gurfinkel/
<b>DATE SIGNED:</b>	04/20/2023
<b>Total Attachments: 7</b> source=US_AD_PAT#page1.tif source=US_AD_PAT#page2.tif source=US_AD_PAT#page3.tif source=US_AD_PAT#page4.tif source=US_AD_PAT#page5.tif source=US_AD_PAT#page6.tif source=US_AD_PAT#page7.tif	

**UNITED STATES OF AMERICA**

**ASSIGNMENT OF PATENT**

**U.S. Patent Nos.:** please see Annex 1

For good and valuable consideration in hand paid, the receipt and sufficiency whereof are hereby acknowledged, **ABB Power Electronics Inc.**, an entity incorporated and registered in USA organized under the laws of Nevada / United States of America as an incorporated having an address at 701 S Carson St STE 200, Carson City, Nevada, 89701 United States of America (Assignor), hereby sells, assigns, transfers and sets over to **ABB Schweiz AG**, an entity organized under the laws of Switzerland as an Aktiengesellschaft (AG), having an address at Bruggerstrasse 66, 5400 Baden, Switzerland (Assignee) and to the successors and assigns of Assignee, the entire right, title and interest in the invention or improvements of the undersigned disclosed in the U.S. Patent Nos. mentioned in the list attached; THEREOF, and in said patents and any and all other applications, both United States and foreign, which the undersigned may have filed and/or may file, either solely or jointly with others, on said inventions or improvements in any United States or foreign patent application claiming priority from, or claiming the same or improved invention as, any or all of the applications upon which said U.S. Patents issued, and in any and all Letters Patent or industrial models of the United States and foreign countries which may be obtained on any of said applications and in any reissue or extension of such patents, for the full term or terms for which said Patent, Patents or Industrial Design are or may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by Assignor had this assignment and sale not been made; together with all claims for damages by reason of past infringement of any or all of said Patents with the right to sue for and collect the same.

Assignor warrants itself to be the owner of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrants that there are no outstanding prior assignments, licenses, or other encumbrances on the interests herein assigned. Assignor hereby covenants that no other assignment, sale, agreement or encumbrance will be made or entered into which would conflict with this sale and assignment.

Assignor further covenants that Assignee will, upon its request and at the expense of Assignee, be provided promptly with all pertinent facts and documents relating to said inventions and said Letters Patents and legal equivalents as may be known and accessible to Assignor and will testify or cause appropriate persons to testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute or have executed, to the best of its ability, and deliver to Assignee or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce any and all of said applications, said inventions and said letters patent and foreign equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

**ABB Power Electronics Inc.**

Dated this 19 (*day*) of January (*month*) 2023



By: Raluca Judele, Authorized Signatory  
Name and Title

UNITED STATES OF AMERICA

**Annex 1**

No.	Application Number	Patent No.
1	11/140,315	7,342,811
2	11/033,195	7,372,711
3	11/452557	7551425
4	11/089597	7196919
5	11/212550	7271695
6	11/098715	7270176
7	11/089780	7492616
8	11/125666	7256984
9	11/109510	7732944
10	11/147730	7492607
11	11/356701	7432688
12	11/315,545	7567440
13	11/299573	7656265
14	11/532432	8270572
15	11/558004	7432692
16	11/954604	7830684
17	11/566536	8789856
18	12/058437	8275559
19	12/212626	8150540

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20	12/273542	8564976
21	12/257,363	7,796,404
22	12/250,610	7,953,576
23	12/372659	8193661
24	12/404180	8148948
25	12/503,706	8,000,076
26	12/775,796	8,427,815
27	12/775,882	8,154,856
28	12/775,915	8,174,821
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31	10/373,418	6,882,548
32	10/393,166	7,187,531
33	10/293,835	6,643,122
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35	10/632,256	6,822,882
36	10/654,217	7,095,638
37	10/723,844	7,189,047
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42	11/559928	7304862
43	10/853,456	7,852,635
44	14/196,779	9,171,665
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47	14/197,529	9,608,513
48	14/206,743	9,520,790
49	14/189,154	9,548,670
50	13/787,733	9,178,359
51	14/206,560	9,991,043
52	13/839,778	9,053,845
53	13/836,841	9,438,027
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55	13/461,172	9722421
56	13/461,348	9722422
57	13/460,669	8,384,483
58	13/036,233	8,647,159
59	13/313,366	8,836,164
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61	13/461,303	9,007,793
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64	13/358,829	8,743,566
65	13/170,559	8,792,254
66	13/170,614	8,681,513
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73	13/654,253	9,320,151
74	13/726,585	9,236,804
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76	13/343,216	8,971,074
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86	14/514,824	9,595,878
87	14/252,304	9,723,742
88	14/509,751	9,746,305
89	14/643,765	9,729,055
90	14/612,956	9,374,001
91	14/598,332	9,374,926
92	14/615,069	9,746,502
93	14/557,061	9,844,136
94	14/856,111	9,787,091
95	15/729759	10,374,421
96	16/512,351	10,820,420
97	15/188,681	10,356,906
98	16/186,583	11,212,936
99	16/186,846	11,419,236
100	15/290,488	10,130,000
101	16/000,492	
102	17/087,844	
103	15/657,786	10,833,591
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105	15/786,783	10,566,788
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107	16/260,043	10,483,858

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109	15/888,847	10,824,180
110	16/432,484	
111	15/946,151	11,259,413
112	15/948,383	
113	16/806,058	10,827,602
114	17/087,822	11,277,900
115	16/428,879	10,826,405
116	17/087,795	
117	16/447,456	10,819,244
118	17/081,071	11,411,502
119	16/553,585	
120	16/528,510	
121	16/528,505	10,993,325
122	17/209,591	11,439,013
123	16/701,098	
124	17/031,963	